



GARY R. HERBERT  
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Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

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Division Director

## Inspection Report Minerals Regulatory Program February 20, 2013

Reviewed: RBZ

<b>Mine Name:</b> Kennecott Tailings	<b>Permit Number:</b> M/035/0015
<b>Operator Name:</b> Kennecott Utah Copper	<b>Inspection Date:</b> March 10, 2011
<b>Inspector(s):</b> L Heppler, P Brinton	<b>Time:</b> 2:00 pm
<b>Other Participants:</b> Zeb Kenyon - Kennecott	<b>Mine Status:</b> Active

Elements of Inspection	Evaluated	Comment	Enforcement
1. Permits, Revisions, Transfer, Bonds	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Public Safety (shafts, adits, trash, signs, highwalls)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Protection of Drainages / Erosion Control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Deleterious Material	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Roads (maintenance, surfacing, dust control, safety)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Reclamation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Backfilling/Grading (trenches, pits, roads, highwalls, shafts)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Soils	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
9. Revegetation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Bond Renewal Date:** 12-20-2016 **Bond Amount:** \$22,166,333 **Permit fee** is up to date

**Purpose of Inspection:** Routine annual Inspection. This site was inspected as a Large mine site on 12/02/2009.

**Inspection Summary:** Permit M/035/0014 covers the tailings impoundment expansion adjacent to and north of the original Kennecott tailings impoundment (permit M/035/0002). Both permit areas were inspected on 03-11-2011. Tailings site has a secure entrance road. No trash was noted on site, but several bone yards were noted. No erosional problems were noted. Tailings permit site was active, other areas within the permit was actively undergoing reclamation. A polymer is used on tailing surfaces for dust suppression prior to establishment of vegetation, and a sprinkler system was also utilized for dust suppression in the most active areas. Vegetation is dominantly a variety of grasses.

Photos were taken to document site conditions.

**Conclusions and Recommendations:** OGM recommends continuing new topsoil program on final slopes and working on biodiversity of vegetation. OGM to continue annual inspections and monitor the site when in the area.

**Inspector's Signature** \_\_\_\_\_

*[Signature]*

LAH:eb

cc: Kennecott – Kelley Payne

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Spreading Topsoil on North Tailings



Cyclones



North Tailings – top of tailings looking NW



North Tailings – top of tailings looking NE